

ECS Configuration Change Request

1. Originator Cherry Kenney	2. Log Date: 11/01/01	3. CCR #: 01-0851	4. Rev: —	5. Tel: 301-883-4177	6. Rm #: 3041	7. Dept. DEV/SWIT
8. CCR Title: Patch_6A.04_PDPS.04C for all DAACs.						
9. Originator Signature/Date Cherry Kenney /s/ 11/01/01			10. Class II	11. Type: CCR	12. Need Date: 01Nov01	
13. Office Manager Signature/Date Timothy W. Ortiz /s/ 11/01/01			14. Category of Change: Initial ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 27). Routine	
16. Documentation/Drawings Impacted:			17. Schedule Impact:	18. CI(s) Affected: PDPS		
19. Release Affected by this Change: 6A		20. Date due to Customer: 01Nov01		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: NCRs 32067, 29269, 31061, 29971, 32003, 31982, 30780, 28285, 32117, 31733, 32070, 32079, 32207, 31396						
23. Problem: (use additional Sheets if necessary) Need to deliver various fixes that have been made to the PDPS components. This includes fixes to seven severity 2 and 7 severity 3 NCRs.						
24. Proposed Solution: (use additional sheets if necessary) Deliver Patch_6A.04_PDPS.04C to provide the needed changes. Patch_6A.04_PDPS.04C supersedes Patch_6A.04_PDPS.03 Tarfile was made on 10/17/01.						
25. Alternate Solution: (use additional sheets if necessary) Wait until next full system delivery						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Delays in getting fixes to the field, DAACs must continue to work around problems						
27. Justification for Emergency (If Block 15 is "Emergency"): NCR fixes are needed at the DAACs to support the 6A.04 baseline in OPS mode						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:				30. Work Assigned To:	31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): Byron V. Peters /s/ 11/1/01			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB			
33. M&O CCB Chair (Sign/Date): Pamela Johnson /s/ 11/1/01			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS Fwd/ECS ERB			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS Fwd/ESDIS ERB			

ADDITIONAL SHEET

CCR #: **Rev:** **Originator:** Cherry Kenney

Telephone: 301-883-4177 **Office:** 3204D

Title of Change: Patch_6A.04_PDPS.04C for all DAACs.

Actions

ClearCase

Please build Sun TAR file(s) for the listed files from the current 6A04NOFW baseline:

The SUN tar file will contain the following packages:

.EcDpPrPLNMGMTWS.pkg
.EcDpPrQUESRVR.pkg
.EcPIPLNMGMTWS.pkg
.EcPIQUESRVR.pkg
.EcPIODPRM.pkg
.EcDpAITWS.pkg
.EcPIDatabase.pkg
.EcDpAtODL.pkg

The IRIX tar file will contain the following package:

.EcDpScSCNCPRCS.pkg

Additional single file : pctcheck

DAAC INSTALL INSTRUCTIONS

You will received two tar files, one for SUN and one for IRIX65. You will also receive a single file call pctcheck. That file should be moved to appropriate directory in the staging area.

Then do the installation. of Patch_6A.04_PDPS.04C

1. Get TAR file from SMC distribution:

List of packages:

.EcDpPrPLNMGMTWS.pkg
.EcDpPrQUESRVR.pkg
.EcPIPLNMGMTWS.pkg
.EcPIQUESRVR.pkg
.EcPIODPRM.pkg
.EcDpAITWS.pkg
.EcPIDatabase.pkg
.EcDpAtODL.pkg
.EcDpScSCNCPRCS.pkg

2. UNTAR the file and ensure that you update ECS Assist when prompted. Please remember that you must be logged in as "root" when you update ECS Assist.

3. After untarring the files in the Patch take the file pctcheck and copy it into the <staging_area>/SUN/CUSTOM/data/DPS/Toolkit directory. (Note Toolkit is not all caps.)

4. Use E.A.S.I. to perform an automated installation of all nine packages listed in step 1.

For information on how to use E.A.S.I. please refer to the 609 CDRL.

5. Do not patch the registry for this delivery. There are no configuration changes for this patch.
6. On the xxplsxx machine, patch the PDPS database as necessary:
 - a. Identify the current version of the PLS database. If the database version is less than 6A22 (6022), run DbPatch from the ECS Assist Subsystem Manager (select DBPatch from the Database menu after having selected the mode, subsystem (PLS), and component (EcPI) in the GUI).
7. Restart PDPS servers
8. Make sure the PDPS servers are up and running. Check the output logs for any errors.

PDPS INSTRUCTIONS for ASTER OnDemand Input/Output Versioning

General

The PDPS code has been modified to accommodate different input and output ESDT versions for ASTER OnDemand HighLevel and DEM processing.

The major changes needed for OnDemand HighLevel processing are:

- The creation of a new set of PGE profiles to accommodate a new version of an AST_L1B ESDT input.
- The modification of all ASTER OnDemand PGE ODLs to include a new runtime parameter, "inputDataVersion", to indicate which version of the AST_L1B is being used by a PGE profile.
- The registration of the new PGE profiles as well as the re-registration of previously registered PGE profiles whose ODLs have been modified to include the new parameter.

To illustrate, if an OnDemand PGE currently has four profiles, all of which call for a version 001 AST_L1B as input, ODLs will have to be created for a new set of four profiles (i.e., profile 005 through profile 008) for this PGE which will define a version 002 AST_L1B as input. Additionally, the new runtime parameter will have to be added to the ODL for each of the eight profiles of the PGE to indicate which version of the input AST_L1B will be used by this profile.

The major changes needed for DEM processing are:

- The creation of "dummy" PGE profile ODLs for each of the versions of AST14DEM products.
- The registration of the ASTER OnDemand DEM PGE profile that corresponds to the AST14DEM product currently being produced. (Note: The assumption is made that at any given time, only one version of the ASTDEM product will be produced.)

ODL Changes

OnDemand HighLevel

The ODLs for all existing ASTER OnDemand HighLevel PGEs have to be modified to include a new runtime parameter, "inputDataVersion". After modifying the ODLs, the PGEs will have to be re-registered. (Note: Internal consistency checks will cause the PGE registration to fail if the values for the input "DATA_TYPE_VERSION" and "inputDataVersion" are not identical.)

An example of the information that needs to be added to the ODL follows.

```
OBJECT = PCF_ENTRY
CLASS = 182
LOGICAL_ID = 12314
PCF_FILE_TYPE = 5
PGE_PARAMETER_NAME = "inputDataVersion"
PGE_PARAMETER_DEFAULT = "001"
PGE_PARAMETER_DYNAMIC_VALUE = "NONE"
PROFILE_SELECTOR_PGE_PARAMETER = "Y"
END_OBJECT = PCF_ENTRY
```

Additionally, new ODLs will have to be created for new sets of profiles for each PGE. These profiles will correspond to the existing PGE profiles except for the version of the AST_L1B input and the value of the "inputDataVersion" parameter. As an example,

```
PROFILE_ID = 5
PGE_DEFAULT_PROFILE = "N"
```

```

OBJECT = PCF_ENTRY
  CLASS = 11
  LOGICAL_ID = 1100
  PCF_FILE_TYPE = 1
  DATA_TYPE_NAME = AST_L1B
  DATA_TYPE_VERSION = "002"
  DATA_TYPE_REQUIREMENT = 1
  DATA_TYPE = "Required"
  NUMBER_NEEDED = 1
  KEY_INPUT = "Y"
  OBJECT = FILETYPE
    FILETYPE_NAME = "Single File Granule"
    CLASS = 1
  END_OBJECT = FILETYPE
END_OBJECT = PCF_ENTRY

```

```

OBJECT = PCF_ENTRY
  CLASS = 182
  LOGICAL_ID = 12314
  PCF_FILE_TYPE = 5
  PGE_PARAMETER_NAME = "inputDataVersion"
  PGE_PARAMETER_DEFAULT = "002"
  PGE_PARAMETER_DYNAMIC_VALUE = "NONE"
  PROFILE_SELECTOR_PGE_PARAMETER = "Y"
END_OBJECT = PCF_ENTRY

```

might be included in the ODL for a profile 005 OnDemand PGE which takes a AST_L1B#002 as input.

OnDemand DEM

Previously, when ASTER OnDemand DEM accommodated only version 001 for the AST14DEM product, the information needed by PDPS to track OnDemand DEM processing was populated into the PDPS database through the EcPIInitializePDPSDatabase script. To accommodate versioning for OnDemand DEM processing, "dummy" PGE profile ODLs will have to be created for each version of the AST14DEM product produced. The PGE for ASTER OnDemand DEM will have to have the PGE name of ODDEM. Initially, the PGE for the version 001DEM product will have to be registered. Then, if another version of the OnDemand DEM product is currently being produced, the DEM PGE profile corresponding to that version product will have to be registered. Note: PGE profiles may be re-registered (overwritten) if the need arises.

An example of OnDemand DEM "dummy" PGE ODL for the version 001 DEM product follows:

```

PGE_NAME = "ODDEM"
PGE_VERSION = "syn1"
PROFILE_ID = 1
PROFILE_DESCRIPTION = "Dummy DEM PGE, ONLY used by ondemand"
PLATFORM = "AM1"
INSTRUMENT = "ASTER"
MINIMUM_OUTPUTS = 1
SCHEDULE_TYPE = "Snapshot"
PROCESSING_PERIOD = "SECS=1"
PROCESSING_BOUNDARY = "START_OF_SEC"
PGE_SSW_VERSION = "syn1"
OBJECT = PCF_ENTRY
  CLASS = 11
  LOGICAL_ID = 1000
  PCF_FILE_TYPE = 1
  DATA_TYPE_NAME = "AST14DEM"
  DATA_TYPE_VERSION = "001"
  DATA_TYPE_REQUIREMENT = 1
  MIN_GRANULES_REQUIRED = 1
  MAX_GRANULES_REQUIRED = 1
  BEGIN_PERIOD_OFFSET = 0
  END_PERIOD_OFFSET = 0
  INPUT_TYPE = "Required"
  NUMBER_NEEDED = 1
  QUERY_TYPE = "Metadata"
  OBJECT = FILETYPE

```

```

FILETYPE_NAME = "Single File Granule"
CLASS = 1
END_OBJECT = FILETYPE
OBJECT = METADATA_QUERY
CLASS = 1
  PARM_NAME = "OrderID"
  OPERATOR = "=="
  VALUE = "DA"
  DATABASE_QUERY = "NONE"
  KEY_PARAMETER_NAME = "OrderID"
  KEY_PARAMETER_VALUE = "OrderID"
END_OBJECT = METADATA_QUERY
END_OBJECT = PCF_ENTRY
OBJECT = PCF_ENTRY
CLASS = 14
LOGICAL_ID = 2000
PCF_FILE_TYPE = 2
DATA_TYPE_NAME = "AST14DEM"
DATA_TYPE_VERSION = "001"
YIELD = 1
ASSOCIATED_MCF_ID = 2200
SCIENCE_GROUP = "S2"
INSTANCE = 0
MINIMUM_SIZE = 0
MAXIMUM_SIZE = 0
/**** Entry needed for all I/O (except for Temporary) ****/
/**** Only modify if multiple files and/or file types for this PCF entry ****/
OBJECT = FILETYPE
  FILETYPE_NAME = "Single File Granule"
  CLASS = 1
END_OBJECT = FILETYPE
END_OBJECT = PCF_ENTRY

END

```

Following is an example of a PGE ODL for a version 002 OnDemand DEM.

```

PGE_NAME = "ODDEM"
PGE_VERSION = "syn1"
PROFILE_ID = 2
PROFILE_DESCRIPTION = "Dummy DEM PGE, ONLY used by ondemand"
PLATFORM = "AM1"
INSTRUMENT = "ASTER"
MINIMUM_OUTPUTS = 1
SCHEDULE_TYPE = "Snapshot"
PROCESSING_PERIOD = "SECS=1"
PROCESSING_BOUNDARY = "START_OF_SEC"
PGE_SSW_VERSION = "syn1"
OBJECT = PCF_ENTRY
CLASS = 11
LOGICAL_ID = 1000
PCF_FILE_TYPE = 1
DATA_TYPE_NAME = "AST14DEM"
DATA_TYPE_VERSION = "002"
DATA_TYPE_REQUIREMENT = 1
MIN_GRANULES_REQUIRED = 1
MAX_GRANULES_REQUIRED = 1
BEGIN_PERIOD_OFFSET = 0
END_PERIOD_OFFSET = 0
INPUT_TYPE = "Required"
NUMBER_NEEDED = 1
QUERY_TYPE = "Metadata"
OBJECT = FILETYPE
  FILETYPE_NAME = "Single File Granule"
  CLASS = 1
END_OBJECT = FILETYPE
OBJECT = METADATA_QUERY
CLASS = 1

```

```

    PARM_NAME = "OrderID"
    OPERATOR = "=="
    VALUE = "DA"
    DATABASE_QUERY = "NONE"
    KEY_PARAMETER_NAME = "OrderID"
    KEY_PARAMETER_VALUE = "OrderID"
    END_OBJECT = METADATA_QUERY
END_OBJECT = PCF_ENTRY
OBJECT = PCF_ENTRY
    CLASS = 14
    LOGICAL_ID = 2000
    PCF_FILE_TYPE = 2
    DATA_TYPE_NAME = "AST14DEM"
    DATA_TYPE_VERSION = "002"
    YIELD = 1
    ASSOCIATED_MCF_ID = 2200
    SCIENCE_GROUP = "S2"
    INSTANCE = 0
    MINIMUM_SIZE = 0
    MAXIMUM_SIZE = 0
/**** Entry needed for all I/O (except for Temporary) ****/
/**** Only modify if multiple files and/or file types for this PCF entry ****/
    OBJECT = FILETYPE
        FILETYPE_NAME = "Single File Granule"
        CLASS = 1
    END_OBJECT = FILETYPE
END_OBJECT = PCF_ENTRY

END

```

Additional Issues

Currently, the PIESdtParam table entries needed for AST_L1B#001 are being populated through the EcPIInitializePDPSDatabase script. Entries corresponding to other AST_L1B versions being used as OnDemand inputs need to be inserted into the PIESdtParam table for the "InputPointer", "ASTERMapProjection", "Resampling", and "DAR_ID" processing parameters. (This situation will be addressed as an ODL problem at a later date.)

An example of the SQL statements needed to insert the necessary entries for an AST_L1B#002 input follow.

```

insert PIESdtParam values("AST_L1B#002", "InputPointer", "STR", "InputGranule", "InputPointer", "InputPointer")

insert PIESdtParam values("AST_L1B#002", "ASTERMapProjection", "STR", "AdditionalAttributes", "ASTERMapProjection", "ASTERMapProjection")

insert PIESdtParam values("AST_L1B#002", "Resampling", "STR", "AdditionalAttributes", "Resampling", "Resampling")

insert PIESdtParam values("AST_L1B#002", "DAR_ID", "STR", "AdditionalAttributes", "DAR_ID", "DAR_ID")

```

Item 23 Problem(Continued from Page 1)

```

ECSed32067 - Memory leak in EcPISubMgr
ECSed29629 - OPS/TS1:100M DEM entries missing from the runtime Pcf
ECSed29971 - OPS:5B.06/55:PDPS: Production Request Editor does NOT create DPR for granules with same collection time
ECSed32003 - clear_db script - not in .iu file
ECSed31982 - DPR creation taking over 2 hours per orbit
ECSed30780 - Production Request Editor Will not Create
ECSed28285 - ODFRM Problems with input output versioning
ECSed32117 - EDF:f2pls01:DEV08 clear_db script failed for f2pls01_srvr
ECSed31733 - GSFC/SMC: Need a HowToRunPREPQC file
ECSed32070 - GSFC/SMC: PREPQC PGE executable not tagged with PGE version
ECSed32079 - PREPQC Makefile to use CM definitions for build environment
ECSed32207 - PDPS: UR % GranuleID don't match in database

```

ECSed31396 - extra backslash in PWB query

Summary Of NCRs

ECSed32067 Remove one of the deletion of ESDTReferent object because the object is still needed in other method.

Files in Task:

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIDataType.C@@/main/relb/maint_6A04/maint_6A04NOFW/rlam_OdMgrCore_6A04NoFW/1

Test Instructions for Checkout Lab:

Run Aster High level Ondemand

ECSed29629 Re-merged fixes to 6A04NOFW.

Files in Task:

/ecs/formal/PDPS/DPS/PRONG/src/ExecMgmt/DpPrPcf.cxx@@/main/relb/mprimett_NCR29629_NOFW/1

Test Instructions for Checkout Lab:

Run a standard ASTER regression test and confirm the PGE runs without problems.

ECSed29971 - Fixes database side of new production rule.

Files in Task:

/ecs/formal/PDPS/PLS/.EcPIDB.iu@@/main/relb/maint_6A04/hcolglaz_pdps_6A04/1

/ecs/formal/PDPS/PLS/sybase/EcPICreatePDPSDatabase@@/main/relb/maint_6A04/hcolglaz_pdps_6A04/1

/ecs/formal/PDPS/PLS/sybase/EcPIDbPatch.6A21@@/main/hcolglaz_pdps_6A04/1

/ecs/formal/PDPS/PLS/sybase/EcPIDbPatch@@/main/relb/maint_6A04/hcolglaz_pdps_6A04/1

/ecs/formal/PDPS/PLS/sybase/README@@/main/relb/maint_6A04/hcolglaz_pdps_6A04/1

/ecs/formal/PDPS/PLS/sybase@@/main/relb/maint_6A04/hcolglaz_pdps_6A04/1

Test Instructions for Checkout Lab:

install database in lab and ensure that table has been altered.

ECSed29971 - Add new production rule: Multiple Dprs production rule.

This production rule is for insertion time processing of data scheduled PGEs in EDC. A new toggle button called Multiple DPRs is added to PRE GUI. The new production rule will kick in when this button is pressed.

Files in Task:

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIDataGranuleCollection.C@@/main/relb/maint_6A04/yliu_multipleDprs_6A04/1

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIDataScheduled.C@@/main/relb/yliu_multipleDprs_6A04/1

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIDataScheduled.h@@/main/relb/yliu_multipleDprs_6A04/1

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIDataType.C@@/main/relb/maint_6A04/yliu_multipleDprs_6A04/1

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIDataType.h@@/main/relb/yliu_multipleDprs_6A04/1

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIPge.C@@/main/relb/maint_6A04/yliu_multipleDprs_6A04/1

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIProductionRequest.C@@/main/relb/yliu_multipleDprs_6A04/1

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIProductionRequest.h@@/main/relb/yliu_multipleDprs_6A04/1

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIProductionRequest.iC@@/main/relb/yliu_multipleDprs_6A04/1

/ecs/formal/PDPS/PLS/PLANG/src/PRE_GUI/PIPREditor.uil@@/main/relb/yliu_multipleDprs_6A04/1

/ecs/formal/PDPS/PLS/PLANG/src/PRE_GUI/PIPRapp.cxx@@/main/relb/yliu_multipleDprs_6A04/1

/ecs/formal/PDPS/PLS/PLANG/src/PRE_GUI/PIProdReqEdit.cxx@@/main/relb/yliu_multipleDprs_6A04/1

/ecs/formal/PDPS/PLS/PLANG/src/PRE_GUI/PIProdReqEdit.h@@/main/relb/yliu_multipleDprs_6A04/1

ECSed31061 - HDFEOS for 6A04 baseline system build

Files in Task:

/ecs/hdfeos/bin/INSTALL-HDFEOS@@/main/relb/davidw_ncr31061/1

/ecs/hdfeos/lib/tmp/geolibIRIX65-n32.a@@/main/davidw_ncr31061/1

/ecs/hdfeos/lib/tmp@@/main/relb/davidw_ncr31061/1

ECSed32003 - clear_db script - not in .iu file

ECSed31982 - Modified TrigUpdPIDataGranuleShort to update PIDataGranuleShort_Archive only once without using universalReference

as part of a join condition. This way PIDataGranuleShort_Archive won't be locked.

Files in Task:

/ecs/formal/PDPS/PLS/.EcPIDB.iu@@/main/relb/maint_6A04/sxu_NCR31982_6A04/1

/ecs/formal/PDPS/PLS/sybase/EcPICreatePDPSDatabase@@/main/relb/maint_6A04/sxu_NCR31982_6A04/1

/ecs/formal/PDPS/PLS/sybase/EcPIDbPatch.6A22@@/main/sxu_NCR31982_6A04/1

/ecs/formal/PDPS/PLS/sybase/EcPIDbPatch@@/main/relb/maint_6A04/sxu_NCR31982_6A04/1

/ecs/formal/PDPS/PLS/sybase/README@@/main/relb/maint_6A04/sxu_NCR31982_6A04/1

Test Instructions for Checkout Lab:

none. performance improvement

ECSed30780 - Modified code to bring up "Save As" dialog box when orbit is selected.

Files in Task:

/ecs/formal/PDPS/PLS/PLANG/src/PRE_GUI/PIPRapp.cxx@@/main/relb/maint_6A04/lnathan_ncr30780_6A/1

Test Instructions for Checkout Lab:

Bring up Product Request Editor, select a MISR PGE, enter appropriate

orbit number, select and click save as from the Menu. A save as dialog box should show up, and a file name entered should be saved.

ECSed28285 - Changed code to implement error checking for ASTER OnDemand processing and modified code to ensure that OnDemand DEM PGEs do not appear in the PGE pool for the Operational Metadata Update GUI and the Production Request Editor.

Files in Task:

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIDataType.C@@/main/relb/maint_6A04/fgray_VersioningFixes6A04NOFW/1

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIHighLevelOrder.C@@/main/relb/maint_6A04/fgray_VersioningFixes6A04NOFW/1

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIOrderFactory.C@@/main/relb/maint_6A04/fgray_VersioningFixes6A04NOFW/1

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIPge.C@@/main/relb/maint_6A04/fgray_VersioningFixes6A04NOFW/1

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIStandingOrder.C@@/main/relb/fgray_VersioningFixes6A04NOFW/1

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIStandingOrder.h@@/main/relb/fgray_VersioningFixes6A04NOFW/1

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIStandingOrderGranules.C@@/main/relb/fgray_VersioningFixes6A04NOFW/1

/ecs/formal/PDPS/PLS/include/PIOnDemandTypes.h@@/main/relb/maint_6A04/fgray_VersioningFixes6A04NOFW/1

Test Instructions for Checkout Lab:

Using isql, delete the "inputDataVersion" for the PGE BTS profile 1 in the PIPgeDetailedParameters table. Run the ASTER HighLevel scenario for an AST_04 product using the default processing parameters. Verify that appropriate error messages are displayed in the OdMgr debug log. Register a profile 2 ODDEM PGE. Bring up the Operational Metadata Update GUI and PRE. Verify that the ODDEM PGE does not appear in the PGE pools displayed.

ECSed31733: Created HowToRunPREPQC and brought the PREPQC unit test files inline with How-to-Run test requirements

ECSed32070: Tagged PREPQC executables with a version number.

ECSed32079: Revised PREPQC Imakefile so that it uses system-supplied definitions to access appropriate HDF-EOS libraries.

Files in Task:

/ecs/formal/PDPS/DPS/PRONG/src/PREPQC/DpPrPrepqcVersionNumber.C@@/main/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/PRONG/src/PREPQC/DpPrPrepqcVersionNumber_f.f@@/main/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/PRONG/src/PREPQC/Imakefile@@/main/maint_6A04/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/PRONG/src/PREPQC@@/main/maint_6A04/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/ScienceProcessing/ECdPPrPREPQC.iu@@/main/maint_6A04/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/data/HowToCreatePREPQCTarFile@@/main/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/data/HowToRunPREPQC@@/main/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/data/ODL/PGE_PREPQC#00002#001.odl@@/main/maint_6A04/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/data/ODL@@/main/relb/maint_6A04/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/data/PREPQC.PCF@@/main/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/data/PREPQC.PCF@@/main/kummerer_ncrPrepqc_6A04/2

/ecs/formal/PDPS/DPS/data/PREPQC.tar.met@@/main/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/data/gdas1.010607.T00Z.BufPREPda.met@@/main/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/data/gdas1.010607.T00Z.BufPREPda@@/main/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/data/gdas1.010607.T06Z.BufPREPda.met@@/main/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/data/gdas1.010607.T06Z.BufPREPda@@/main/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/data/gdas1.010607.T12Z.BufPREPda.met@@/main/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/data/gdas1.010607.T12Z.BufPREPda@@/main/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/data/gdas1.010607.T18Z.BufPREPda.met@@/main/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/data/gdas1.010607.T18Z.BufPREPda@@/main/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/data@@/main/relb/maint_6A04/kummerer_ncrPrepqc_6A04/1

/ecs/formal/PDPS/DPS/data@@/main/relb/maint_6A04/kummerer_ncrPrepqc_6A04/2

Test Instructions for Checkout Lab:

Exercise PREPQC unit test using the HowToRunPREPQC instructions.

ECSed32207 - Changed the code in PIOrder::StoreGranules to get the granule UR from the DataGranule object rather than from the requestDataStruct object. Clarified error message in PIOrderFactory::

Files in Task:

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIOrder.C@@/main/relb/maint_6A04/fgray_NCR32207_6A04NoFW/1

/ecs/formal/PDPS/PLS/PLANG/src/CoreLib/PIOrderFactory.C@@/main/relb/maint_6A04/maint_6A04NOFW/fgray_NCR32207_6A04NoFW/1

Test Instructions for Checkout Lab:

Run ASTER OnDemand HighLevel processing scenario for an AST_04 product. Ensure that an entry is made in the PIDataGranuleShort table for the AST_L1B input used to place the processing request from ODFRM.

ECSed31396 -change query statement output and add return status checking.

Files in Task:

/ecs/formal/PDPS/PLS/PLANG/src/PWB/wb/src/PIWbScheduler.cc@@/main/relb/yliu_31396_6A04/1

Test Instructions for Checkout Lab:

regular regression test

Patch_6A.04_PDPS.04C Test Report

PDPS.04- Test 2 scenarios (EDC, LARC)

29971(T)- OPS:5B.06/55:PDPS:Production Request Editor does NOT create

Test Plan: New Production Aster/ Insert test time

32003(T)- clear_db script - not in .iu file

Test Plan: NO TEST PLAN NEEDED

31982(T)- DPR creation taking over 2 hours per orbit

Test Plan: MISR Scenario (Database change)

30780(T)- Production Request Editor will not create

Test Plan: MISR Scenario

28285(T)- ODFRM Problems with input output versioning

Test Plan: ASTER High Level On-demand, Attached DPR, DM, No standard L1B

31739(T)- Reset_db script for PLS - referential constraints error

Test Plan: Build Reset_DB

31733(T)- GSFC/SMC:Need a HowToRunPREPQC file

Test Plan: Verify file

32070(R)- GSFC/SMC: PREPQC PGE executable not tagged with PGE version

Test Plan: PREPQC Regression

32067(T)- Memory leak in EcPISubMgr

Test Plan: ON-Demand

31924(T)- GSFC/SMC Unable to use Auxiliary/Optional rules in combination

Test Plan: SSIT Functionality

Test Resolution: PDPS.04 is successfully verified(every single NCR). There was also detailed regression testing done. No major issues with the patch. Sorry, about the delay of the verification -- we just wanted to ensure that the patch was completely ready for shipping out.

CM01AJA00 Revised 10/15/01

ECS